



sound of focusing approaching could be

Stanger is the year increducts of ZXSI owners must be pressed for the Extined Britains Arctions Extends Computing Court, Strippings for NA 2001 Another 30 Prices' Nacion the

explosions, plasma blasts and photon All these excision 3D sames have been designed by Malcolm Evans, the 4D capert. They'll have you leaping out of Generation games you live them



with the hopking David
September Parkinson
Sep

...

Software reviews
Councer on Assa. 2VE Specials
Th-93/4A program
Th-93/4A p

Adelle films Advanceous Mensage Fold Color F

60-GOT 1000 shy Agen Pres 400 Francis for more extraction.

Educational pargrams are

Very chance to win a per-



COLOUR COMPUTER

COLOUR COLOUR COMPUTER

HE NEW SHARP MZ 711

Confidence of the confidence o

ESSER CHROCKE UK HISSER CHROCKE UK HISSER OR HISSE SEF - AVE



Vectrex

From four page
the restless, to the match of south
the restless, to the match of south
the south in state of south
the sou

spend of the joins one stands of the property of the property

Empire

The current house has been deadle advertise to the classic and advertise to the part of the pa

warmed to may that a failed. The bear will, Quickable Five got my thatpiration for the times. If moved it do not be book on his min will be the book on his min will be the book on his min will be the book of the bear of the book. If the firms also do not be the book of the book of

2002."

In the frequence co-G stathers are controlled from the co-G stathers are controlled from Adlans, Neichard Scandampson, 186000 2011 ILL.

Southern, 186000 2011 ILL.

Southern, 186000 2011 ILL.

E200 colour monitor statements are controlled from the colour statement sta

product is a 16-bit product in a 16-bit product in a 16-bit product in a 16-bit product in the bears and of contrast or counts in makes LNS in See hours work 50 for Called the CMEs, a Supposed to be there to earlier book of the book of the bit product in the CMEs and "Year all will stop and "Year all year the NEAS-NO."

· A Orickith's customer has

You could be on our pages

PROCEASES SHOULD, IF possible, be commune principle to a which the distributors use a new ribboni and or sent on casester. Check contained what you program does, how it worsts, vanishes you have used and listes or centering the contained what you program does, how it worsts, vanishes you have used and listes or centering. A articular on using a bone consustrent about be an obegot from 2008 worst. Cut's worsts on surger from 2008 worst. Cut's worst or the check of the c

on at anner recros by groung useful ideas opsiler, with programming examples, we \$0 convert any sketched flucturations in finished arrivork.

This are short articles, and byter programming routines which we can put together with others. Your bints can aid other computer users.

Competitive rates are paid. sp a copy of your submissions and inc in SAR If you want them returned, Lab

maring cross to an, authors mean or

Dogul TV is sempera on the

Without will appear on the Michaely, and I be able to tune

Why programs need a seal of approval

Space Investors and the lake. At the moment there is no very for there to thesk the

quality of the agreeme that they are showing of being Manage sound the subject a prest deal of thought I have

3 Arrent washing they agreem to carry Department of to the punel and carry out any changes that the punel

educasonal software

Graham Forere Parings, Shoomed Software, Bichmond.







151 ow print a new defined

at dest



& game soon 114.906 uset is denokram

Will all bounce solveid when the

ORIC PROGRAM

The second secon

De Die Sterrich oder der Sterr



JUST AROUND THE CORNER, A NEW



Mary Johnson















CARNELL SOFTWARE LTD.,
OTHER WORKS AND A COLUMN TO A COLUMN THE CO

RANGE FROM CARNELL SOFTWARE





NOW AVAILABLE FROM W. H. SMITH, JOHN MENZIES AND BOOTS*

Rid the world of the Trensylvanian Terrorbefore he introduces you to the dark world of the living dead in.

Transylvanian Tower

A spectacular 3-D maze adventure for the 48K Spectrum only £6.50

Enthralling and addictive"...Popular Computing Weakly "Addictive"...Sinclair User

"Transylvanian Tower is an excellent game at a reasonable price"... Personal Computer New

\$ 6

RICHARD SHEPHERD SOFTWARE



A STEP BEYOND THE ARCADE...



Common Knight The Villay - Strategy 1 - Invasion - Strategy 2 - Blamari White Parrows - Detrotive - Cells & Seprents - Stockmarket Common Francis - Clara - Boumber - Gallery of Death - Planettall



mes (nematifichemente)
(4) Fahrques
(5) Fahrques
(6) Fahr

DealleroTTM 2.87 We delice
Model 25
Model 15
Juliury Sr
Juliury Sh

Companie Colon
21 The Reviet
Selection
Selecti

Symbotherape SC usin habitation with the same to the s

Fe 5 (17) Control for the Cont

Sursi Souri Vir-Defere Busin-Sulgarithis Control Students Sursialization Business Sursialization Sursialization

Thou're Shoot
July and Leadiffelia Shootsoon
Marchine

ADI Oppmentero i al
Solo Silli Sill

20 Computers is a 1 Micro-Business Committee LET (Specific and March Stand) (Specific and March Stand)

FOR FIRST TIME USERS...

widely used micros in the marketplace.

The books assume absolutely no knowledge about computers and the reader is shown even the resid

transference operations auon as reworking on and floating a program? The books lead the program of the program of the program of the prophics, with several programs which show how to achieve procures and when animation. The books cominin a number of apposity written programs which show the full potential of these machines.

**ROTITIOS

This is it is beneatly expected by all manner of seeds diagrams and illustrations including many black and white photographs of the someon. The oversall photoetistion is excellent. The process, setting out and factogs are clear and positively review the resident is

5.95

ORDER FORM
SAID OUT SOCIAL AND SOFTWARE
SAID OUT SOCIAL AND SOCIAL AND SOFTWARE
SAID OUT SOCIAL AND SOCIAL AND

I account this to due to the Commission of the total Commission of the Commission of Commission of Commission of the total Commission of the Commission of t

HOME COMPUTING WEEKLY IN COMMON 2013 Page IT

READ-OUT



SPECTRUM PROCRAM Do you think you can fall on your feet?

124-128-126-84-84-84

nove 0.14.62.284.249.194.2. 78 DRTR 8,15,19,19,197,255,127 ATA D, 100, 252, 250, 00, 255, 2 3,7,18,205,205,204,252 0,1,100,195,199,195,19

199,55,55,35,36,36,55, 0,120,00,0 124.6.0

87 20,7, THEN PRINT THEN DOTHE . ST.AT THE ALTER RT ST SALT 2005 5 18

e.coi, is

IF 8-00 THEN DO TO 610 THEN PRINT AT INT BY ALL PRINT BY avan THEN OF TO

SEYSO'S THEN LET 101-INNEYSO THEN LET 1-14

HOME COMPUTENC WEEKLY II October 1947 Page 19

MICRODAVE COMPATBLITY

Spectrum

JOYST JCKS

pectrum)

Page 28 HOME COMPLITING WEIGHT IS Gooder 1962

Dragon £5.95 west you and so all the oder things tagastry to such down the laddle **Games for** Victor Coutes, 61/93 Porobets Road, Landon W11 The dealer of the step are on the about a passenger liner, this scores displayed in horse, simply but atliniously, and they in good use of sound and partice in the game. Well 35 tomas, 21 objects and 30 people, the pleasable conducts that my seeden, and the druct well also has so would use her. adventurous The game is played to the Objects model, with you seeding to find the races that the We take a look at the latest There are not versions of the game, a single not a mobile clayer oce. The tape inside partially and the game is unused by a imple REP.

The interpretation with the program detail all the commands which the program detail all the commands which they are to the commands and the partial and the commands are the command of the commands are the commands are the commands and the commands are the comm Island A, projects no business are ye managing upolicy and However, I had no wiking tree However, I had no wiking tree However, I had no wiking tree 65.95

SOFTWARE REVIEWS

Death Cruise

The Comment of the Co

Secretary in the control of the cont

Walls and Bridges/ Embeddings of the Wilk seek Bridges / Embeddings /

| Constick Eth.y5 | September | September



page on your sele, group you

STRUTTURE THE RESIDENCE

43.95

Chest SCI 14 Avaies Sold Organism, Earl Stit SAX

445×

Alphor HK RAM G Desinter As wh Large range of Books now available for TI-99/4A

COLECO AND ATARLOWNERS Check our Prices for your

TI LISES a new publication with 40 High berret, Manager hant. Trimbeart (8632) 662535 A A79365

pile Symbols

A. S. N. COMPUTER

SERVICES LIMITED ANNOUNCE Ton USA Software at Discount Prices At least 20% Discount from Ton Sellins US

Inst Look at Theses 287 ANN. Zhikon — Dessek — Alen

All Prices include VAT and Post & Packing in Pres (UK.

Copper Orders Welcomes

A.S.N. COMPUTER SERVICES LTD Dept. H.C.W., 89 Station Crescent, Ashford, Midds.

Working it out without the fuss

You'll find Nick Godwin's short ZX81 program useful for those tricky calculations around the office and at home



LTT X (100 + 1 / 100 + 1) + 27 (100

LET X+P+(I/100+1)+sT F:100 I-10

The control of the co



100 STUDE DED 110 FOR J-1 TO LEM FE

LET X4LENG LENGTH=44 CREADTH=18 HEIGHT=18

HOME COMPUTENC WILLOUT IT October 1997 Page II

You're low on fuel and gravity is pulling you towards disaster . . .



Has the complete in water 15 writing of the extradibilities.

Principles Language

Principles

SO RESE DICTORLESS

118 FORWARD PROVINCE 118 FORWARD PROVINCE 128 FORWARD PROVINCE 128 FORWARD PROVINCE 129 FORWARD PROVINCE 120 FORWARD PROVINCE

200 BOHANDED

AND POLITYPESPOCLAND

AND POLITYPESPOCLAND

AND POLITYPESPOCLAND

SER POLITYPESPOCE

SER FOR HAND TO 12

200 POLITYPESPOCE

SER SERV.

SER SERV.

SERVICE SERVICE SERVICE STAND

SERVICE SERV

Friedly, all control characters

518 F=50 CH.2
520 VV00 VV00
520 F=FEEX(V=01)
520 FEEX(V=01)
520 FEEX(V=01)
620 CETHS
620 ETHS



TAKE OUR WORD FOR IT!

0.8











MICROWARE NOW!

DUST-A LECTURE --- 1 ANNA --- 1 SOCIAL LECTURE --- 1 ANNA --- 1 DUST 1 LECTURE --- 1 DUST 1 L

CTB VM-VVV DTVLSDTMENN-SB SID LTVLSSSTMENY-255 200 LTVLSSSTMENY-255 200 LTVLSSSTMENY-255 TID FOREV-16-W-256 TID FOREV-16-W-256 TID FOREV-16-W-256 TID FOREV-16-W-256 TID FOREV-16-W-15-STP-6TM-2688 NG JTVCSW OF XX-534-85 VM 246 TID FOREV-16-JW STP-6TM-2688 TID FOREV-16-JW STP-6TM-2688 TID FOREV-16-JW STP-6TM-2688 TID FOREV-16-JW STP-6TM-2688 TID FOREV-16-JW STP-6TM-2688

750 PH-5Y PHS 240 any new year 750 IFN-5YTEPH-1000 770 IFN-5YTEPH-100,5 750 IF SP24 THEN 500 800 PERMECUTI 800 REPACCUTI 800 PERMECUTI 900 PERMECUTI

> RINITOF "EP" HUS" DISHARDLE IONE" DISHARDSSS MENT PONCYW21.8 RESHECUSS PONCYNOU CHRONED ON THE PRE NETH A

969 PRINT PRE SOUNT
969 CHILDREN
100 CHILDREN
100 CHILDREN
100 PRINT TWO CHOOSE UTSIDE THE BASE.*
100 CHILDREN
1100 CHILDREN
110

2020 CETTOS (FOR***)****(140)2020 2020 CETTOS (FOR***)****(140)2020 2020 CETTOS (FOR***)***(140)2020 2020 CETTOS (FOR***)**(140)2020 2020 CONCRETE (FOR***)**(140)2020 2020 CETTOS (FOR***)**(140)2020 2020 CETTOS (FOR***)**(141)2020, 102)

5000 DRNS.04.5.540.20.101.31.509. 5000 DRNS.0.00.64.111.100.64.106.170.64 5000 DRNS.140.21.50.300.22.101. 5000 DRNS.140.21.65.30.121.16.29. 5000 DRNS.161.10.161.164.1.44.5.64 YEP FOLKS -- IT'S HERE

Spectrum 448, Driggin

CALIFORNIA

GOLD RUSH

HOWDE DO PARDNERS
This here's Prospector Jake, I sure am havin' one

This he're is prospector Jake, I sure ann havin orian beliuve time by the beliuve time beliuve time the tendor. Majob gets harder as I move from one Gold Field to another. I know, that is me an 'ma stubborn homeny' o' Mulley here know of 24 rich an' I mean rich seams of pure Gold. All it needs to make this hard of Christin happy is that you help me peg every doggone last

Can YOU help Jake become rich, help him peg his claim, dodge the arrows, avoid the tomahawks, and plant the Dynamite in just the right place?... YOU CAN!!!

YIPPEE . . . Git yer Picks an' Shovels and join the CALIFORNIA GOLD RUSH . . . NOW

Amazing Arcade Action . . . Stunning Sound and Graphics Available NOW for Commodore 64, Spectrum 48, and Dragon

27.95 including P&P

SPECIAL OFFER SPECIAL OFFER SPECIAL OFFER
Order CALIFORNIA GOLD RUSH before August 14
FREE
COMING SOON

LEAPIN' LANCELOT: Medieval Machine Magic to enthral you GALACTIC SURVIVAL PAK: Every Astro-Traveller must have this!



Person of the officers and operation in the officers of the of

VIC-20 PROGRAM

Put some order into these

numbers

MATH cases and border colours: 5 acrs been black 27 sale

Troing * when prosped will nded VIC-20 by Ad

ME-11 18 N















Quality arcade action games for the VIC 20 & COMMODORE 64
COM 64

CBM 64
GELEXIONS The earth is being invaded by an alian force, the CALAXIONS have arrived from a drift plants determined by destroy

formation, swaoping and diving towards the planet earth. You and you alone can save mankind from the terrifying destruction the

100° Machine Code 3 Lines Bonus ship of 10000

Progressive levels of play £7-95

attacks man 64 A fortustic version of this popular aroade game

100-1 Machine Code 3 Lives, Borus frui Power plis 4 Vary minigant opasis

Scharbouler 100° M/C £5.0
Scharbouler 100° M/C £5.0
Becambles 100° M/C £5.0
Becambles 100° M/C £5.0
Becambles 100° M/C £5.0

8 & 16K EXPANDED VIC 2D

All our games are available mail order P&P excluded from the above solders. Orders sent by enture past. Also available from all good computer shaps. PLCS. Darwen, CENTRE SOFT West Matchands. ulverlind

BRIDY MATHE 45K Environm
A solve of 5 programs source tested for the 8.14 year age and shell for you be the statement material and the 8.14 year age and shell for you be the statement and become of and account about the statement and become information of the statement and the statement and the statement and account account and account account and account account account and account account and account acco

seet it is minimum up to the 12 times below, to white an appartitud up to the 60 times and 10 ti

angles and quadrillances. Pupils are show took gother policipationing. Natives in the plant for the street of impoles of our pupils violentability. Phere appropriets assures are selected in the medication. It all and other important assure displays can not priced sequent.

A very useful said for marshing decognizing in a friency affect the marginers travel mouth. Longituding of the tocomers problemed, with a bight conduction stage.

BOLOSY
A total of principaling using less a strictured dispersion assembly the conduction stage.

BOLOSY
A total of principaling using less a strictured dispersion assembly of problemes in less in the discussional part and conduction of the cond

the coefficient is said to 80 uncertainties of Brother CRS, O ser A C Lane landmost field policy to copius at a transfer for the committee of the committee of

TI-99/4A SOFTWARE
PILOT LS:26
A pirit see digit quindane gains to the surrepended TITO-UA
a pirit see digit quindane gains to the surrepended TITO-UA
a print paul (british for all harding of the pills a failure paul (british for the pills a failure paul (british for the pills a failure paul
TI TIRUE
Bodie the Diagon, urusine fine. Frazione and set 1 shall been
intelligent come, denge copper, diself comer), evojul and sucq
rest, fight by only a pair pill distributed in shall college.

Stild chappe to P.C. or hipplone with Anna/Tea Tosummitted disputals. Finos tale By pile to orders under D. Colory on C.F. your fine. APEX SOFT WARE Seein Comps, Bussings Road, B. Lursandrontow, TXSI REA Tol. Bassing 6644 B155

THE ΩMEGA RUN

... is coming

EXPORT ENGURES WELCOME

TI-99/4A PROGRAM

You're alone . . . and here come the invaders

which controlled the planet Colling and the comment of the planet Colling and with a laser cannot fight them of I fight them o

Earth is under threat again.
Armed with a laser cannon, you see failthire face hordes of enemy fighters.
Type in Eric Liddell's game for the TI-99/4A before we're conquered.

Procedure of the last best V marker of gracies Who NV ingests send a new war apparer.

Highs on conventions

Have & works

16-20 class years and story of
20-20 class years and story of
20-20 class years
20-20 cl

10 CALL CLEAR 20 CALL SCREEN(2) 30 RESTORE 80 40 FOR I=+8 TO 58 50 REND AS 60 CALL CHAR(I,AS) 70 NEXT I

110 FDR 1m65 TD 23

 11 IACHE V. Larly method equity.

CALL CALLS and CALL CALLS CONTINUED DEPORT OF CALL CALLS CONTINUED DEPORT OF CALL CALLS CONTINUED DEPORT OF CALL CALL CALLS CALL

120 PEAD A\$ 130 CALL CHAR(I)A\$) 140 NEXT 1 150 DATA 003C24247E

150 1618 00764246666278:0076424666 6278:0076424676606278:0076424666 6278:00764240766076:007640407660 6

170 CHLL CHRP (75. 00444786464") 180 CHLL CHRP (76. 00464666667E 190 RESTORE 846 800 FUP 1=78 TU 89

210 READ 85 220 CRLL CHMP-1-85, 230 NEVI 1 240 IMPT 007E4265065552-007E424 6465TE,007E4245TE606:007E424046 67F0:007C4444TE6062:007E42701E 67E

250 IATA 007E1010181818:00424262 62627E,00626262220418:0062626868 487G,00426618186642:004242241818 280 CALL COLOP(3.6.2) 270 CALL COLOP(4.6.2) 280 FOP 1=5 TO 8 290 CALL COLOP(1.5.2)

310 CALL CHAP:96. "08022E9FDFFFFF 7F"\ 320 CALL CHAP:97. 104/74F9FDFFCF FE"\ 330 CALL CHAP:98. "3F150F072E4224 187)

187)
360 CMLL CHRP (99) 1PC58F3 T0222112
0C1)
350 CMLL CHRP (100-1181CTECTSCSAC
381 1381 1380 CMLL COLDP (9-9-2)
370 CMLL MCMPR (4-115-56)
370 CML MCMPR (4-115-56)
470 CML MCMPR (4-115-56)
470 CML MCMPR (4-115-56)
470 CML MCMPR (4-115-56)

430 CBLL HCHAR 5, 16, 995

NOME COMPUTING WEEKLY IN Cooler 1913 Page

530 COLL HOHRE (P. L. ASC. CERS CTS.)

610 CRUL HCHAP (P+1+66) 620 CALL SOUND (-100-110-15) 630 NEVT E 640 NEXT I

658 FOR Tel TO 180

698 FOR Med TD 200

725 CALL HCHAR (12:16:100)

740 CRLL COUND (-10:110:15:110:15

750 CALL COUND (-100-110-1-110-1-

760 CALL SOUND (-100+110+1+220+1+ 230,1

770 CM | SDIND (-100+220+1+220+1+

788 CALL SOUND (-100:110:1:110:1:

730 FDR (=0 TO 30 STEP 8

660 NEXT 1 670 FDR 1=57 TD 48 STEP -1 675 CALL SOUND (-10.4300:0) 676 CALL SOUND(-10:4300:0) 680 CALL HCHAR (12, 16, 1)

TIME" SID FOR 1=1 TO LENGPS) RRO CALL HOMP (22, I ASC CESS PS.

830 NEKT I

860 CALL CLEAP

SAD CALL KEY (O+K+3) 850 TF CHR THEN 840

570 FOP I=1 TO 32 STEP 2 580 FDR R=15 TD 20 STEP 5 590 CALL MCHAR (R+I+100) 500 CHIL SCHND (-100-115-10)

540 CALL SDUND (-10, 3000, 0)

440 CALL SDUND(100,120,5)

450 TSu"

490 R49

470 RD3UB 520

INVADER:

950 CALL REY(0:K+2)

960 IF 340 THEN 950

980 IF K-BSC CYTOTHEN 1000

990 IF KURSCOUNTYTHEN 1180 FISH 1000 CALL CLEAR

1020 Rat 1630 STILL 1110 1650 Rain toes eggus 1110

890 FDR I-1 TO LENGS:

920 FOR I=1 TO LENCIS

980 CALL HOMSE (10 Trace CESTATE

930 CALL VCHARCI-16-ASC/CEGS (YS-

INSTRUCTIONS?

1070 154 USE FULL STOP TO F 1110 FOR I=1 TO LEN-(S) 1120 CALL HONSE (P. LASTE CORRS (IS.

1130 NEXT I 1140 FRP Tat TR 200 1150 NE:11 1160 CALL CLEAR 1170 RETURN TIRR RESTORE 1230 1190 FOR 1=104 TO 115

1200 PEAD AS 1210 CALL CHAR(1:AS) 1220 NEXT 1230 DATA PERFFEREFFFFFFFFF,7E3E3

F40R1F3C7FFC+FF41PF10F83CFF3F+F8 1240 DATA 0085EFFFFFFFFFFF 24042 42424208FFF; 0F1F0F0787CFFFFF; 008 0C0E0E0F0F0F8; 010303010103070F; F

1250 CALL COLOR (10:13:2) 1260 CALL COLOR (11, 13, 2) 280 SC=-10 1290 C=16 1300 GUSUB 2070 1310 GDSUB 2130 1320 CALL NOVAR (24:1:104:32)

TO YOU WANT INCIPUIS IUN:

TI-99/4A PROGRAM

1330 CALL HCHRR (23,1,104) 1340 CBLL HOMB (23,32,104) 1350 CALL HOMPR (23, 2, 189) 1360 CALL HCHAR (23,31,112) 1370 CALL HOMBE (\$3.4.111.26

1470 CBLL CHRF (144) *000018243C7E 1400 CALL CHRR (145: "423C66FF7E24 1490 CALL COLOR(15:11:2) 1589 CHLL CHRP (152: 101008081010

1510 CBLL CHRP: 153: "001004104804 1520 CALL CHRP (154: "482448946214 1530 CALL CHAP (155) 1882295423488

1560 FOR 1m7 TO PT STEP 2 1620 CALL HCHRR (P1+C+164)

1700 C#C-1 710 CALL HCHRP (81.C+144) 1780 CwC+1 790 CALL HCHRR(21+C+144) 1800 CALL HCHRF (21+C-1+32+

1810 IF C 29 THEN 1830 1820 GBTG 1630

1880 CALL HCHAP (1.C.152) 1890 CALL HCHAP (1.C.32) 1920 BUTU 1630 1938 CHLL HCHRP (1, C+32) 1950 CALL HOHRR (1:0:6) 1970 FOR G-155 TO 153 STEP -1 1980 CALL SOUND (-200x-7: 0) 1990 CALL HCHAR (1, C, G)

1850 FUP I=20 TD 4 STEP -1

1060 CBLL GCH98 11-C+530

2020 MJ+NU-1 2060 GOTO 1630 2090 FOP I=1 TO LENGE 2100 CALL HOHR (1-1-ASC (SEGS LES 2110 NEST I 2150 FOR KHI TO LEWISS P160 CBLL HCHAR C3+K+ASC (SEGS CSs-

2170 NEXT R 2180 PETIEN 2190 CALL HCHAP (21 C+ 32) 2200 FOR I=6 TO 30 2210 CALL SOUND (-200+110+[+-7+]) 2220 NEXT I 2230 CALL TOUND (-19-3000+0) 2240 At=" ARMTHER GAME SEATTHING GAME V DR N 2250 FOR I'm TO LENGER \$200 CALL HOHAP (15.1. PLO. CERSONS

2270 NEXT 1 2200 CALL PEYSON OF 2281 CALL HCH9F (2:1:02:32)

U.S. SCENE Fly me... without a comput

contribits are being beared on others. The Federal Anathon

or make." In an interfer show, or hear of that U.S. shorten, crearly come well be

* * * * Two new and interesting pieces of hurdware for the YEC 20

one of Derkown Andred Arms Mared Out Current Gors Wallsboat Microbial (-) Compiled by Bocks. Progree in brackets are itel week's

Top Ten programs for the Dragon

Top Tex programs for the 2X81 Flight Semilative Compiled by Socra. Figures in president are last week's

Too Ten programs for the Spectrum Flight Simulation Priory'M. House (5) Computed by W. H. Smith, Figures in brackets are but

Top Ten for the VIC-20 sed Commodors 64 Accessis (VX) Arcecis (VIC) Witness and the Pressen (VIC)

Liamenth I-5 Eurald MCP 0541 Complied by Succe. Figures in breakers see list week's

OFTWARE REVIEWS Eighth Schware, 50 Novem Sever Propelly, Mauchone OCCUPY AND THE CHARLES It's time for action ad to say about these With and Day CE.95 Quekrina, 13 Pulmenina Book, Southampion SOI H.L. linky Kone Oric-1 ARE CE. 95 Posity of Court Syer, Los entries attribute their cu vehicle and the research on lay loaded appropriately from the purposal state. Find mession phase on a torse by having survived all 13 records of Caserpiles. I'd study has to have bur 5 finder last that long" nave is operately beand The pace is opening broken and resource figures of process opening to the pace opening the pace of the * * * * * Find of Tables, hand, but | Employed | Find on the and seeked | Find on the last | Find on the angle of the last | Find on the last | Find on the last | Find of the potenti, thus all the frames an depleased, negotian with the constrones ragon EF. 45 esture, 13-13 Lode Mespon Shouth Crowny or basself http://www.new.good.nid.com/ ne-made/ward, and leading was



COMMODORE

MOON BUGGY DUNGEONS 3D TIME TREK FROG RUN

ISSILE DEFENCE

ANIROG SOFTWARE

HIME CHECH CAMPANIES HOLLEY PERMIT HAS
PAYMENT BY OFFICE PROJECT PROJECT PROPERTY

BY HASHA STREET HORLEY, BURBEY,

DIVERSES SO PORTÔ PACHANIN

TRADE ENOUIRIES WELCOME

29 West Hill Diretterd Karen (1027)1927507

FAMILY FUN
KONG -84 KRAJA CAR
KONG-SPECTRUM KRAJA CAR
KRAZY KONG
VIC 20 (18K) KAJA CAR
MINI KONG
VIC 20 (UNEXP) KAJA GAR

Make you own flicks Each frame can be a person or sect or a conguer of both and all free mov Listing I wasts at location 50000 in RAM, though it can go

Smooth, factor-free animation

Listing 2 mars as loomer 20100 When the called the infor-

SPECTRUM PROGRAMMING

cedences are two ext. 190 LITE

· Fit up the names with 100

54000 being malable in EAM to RANDOMEZE USE MISS

The recommitment of the control of the

reappear slightly to the right 45 SHIFT and BREAK whee you've

ocurnes 30000 30014 and The values of \$3000 and \$5006 If you change the value is loca-tion 3000k, you must also change



	0	125	
	10		K
62	0		
1		0	
	176		
0			
19			

190 TO BEL STEP 0 TEE UNG DORDE P-190 TO 201 STEE O 10 10 DE 100

Links 3 -- 1 6452C program threeleg her

GOLD RUSH THIS have's Prospector Jake, I sure on havin towns a hooten, and a hollerin, all own the per-

Can YOU help Jake seg his claim, dodge the secows, avoid the tornahewes, o' plant his YIPPEE You need all your skill &

CALIFORNIA GOLD RUSH ... NOW for COM 64, Spectrum 48, & Dracon America Arcede Artasi for \$7.95 vol.

SPECIAL OFFER Order California Gold Rush NOW



prephics to enhance your enjoyment VARTUEE is Fascingua, Absorbing &

Order YAHTCEF Today for only

SORTWARE DEVIEWS Oric-1 68.95 The intel of difficulty hand to The use of solvar and sound are good. One feature I shought was recolled that the facility to to the arealestyle game, you Plane speaking program is payed in Co. points graviting enemy metric and equipment And you have to keep a abode on fuel, bomb and rocket levels. adits at of graphes. set who, experty due to the poor seminated by the our Once he has counted nritoin €9.50 red the neutron of a second to produced eath to bee the exception printing any second control towardow passes a 0.25 of an arroral towardow passes. Majorosoft, 1-2 Capital algo Capit Syrvert, Une 25, Hardwate Service, Newtonia upon Type This program is of the unreduced type and favouries. The later is the year play the part of the pro-riations. Britain's defeater There are two pages to Copper Capture Diely other completion of the flex part may you see. ranging Brain ranging da bouth Tow membe is to reage paraduseus following at align words Unfortunately you have NAME OF REAL PROPERTY AND A SQUARE OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND AD The keys are priced in a playing many on the left and right of the worth, in the models are the Tours the passe didden't to * * * * * Rable, 350 Station Reed, No.

ATTENTION

- all ZX81 (16K) and Spectrum (48K) users get this, the . . .

Micro-Myte



£48.00

Dompies, inclusive or VAT, post and packaging in the UK only.

It's the high speed computer phone left year have been waiting for Transmissivecenes at 1,600 Based. Then times the speed of most other opcode modernly including addressmanles.

Econemic to use: Commissionism data direct between competition users Typically 102 Cobb tap of two mentation of biological rate (Change to these at sits class later). Also Device times deate than a lesse. Sample to operation comment described to operate search imputibility or Sample to operation comment described to operate search imputibility or Sample to operate comment described to operate the properties of Sample to operate the sample of the sample of the sample of Neighborn or case.

> OU CAN PRE-RECORD PROGRAM OR SCREEN CONTENTS ON TAPE, YOU CAN TRANSMIT OFF TAPE OVER THE PHONE AND YOU CAN RECEIVE ON TAPE.

I am a Ziklir/Spectrum user lepectly. I Please send me. Morro-Marie Gir moderabb et 648 GG nach; I andrese chappe priestal under popular la bilityn-hylyte Colemoniseration LISI Name. Thiophane

Polo House 27 Prince St 3restol 1 Telephone (8272) Callers welcome No fuss, no hidder extrae, no rental coafs Each or comprises a accord modern 2001 as Spectrum auditivers of cassatte connection call and operating instruction

casavitie connection ca and operating instruction fogether with a testive thin guarantee

STOP PRESS!
Micro-Myne 60 well operate with all makes of home computer software awarestee soon

YOU CAN NOW TRANSMIT AND RECEIVE OFF TAPE!

COMPETITION

Free: 40 chances to win Virgin software iust find the word Start studying our word square

GREAT pages from Virgin I

Hem to color







Virgin Games Competition

QOELOJIXI QUPBTDAJ WE O ROFUSTARFIRETTEDBW LEK DOUGLENGTREDPICT UYIMICRORE OF VAFOUXBXI QUASTWNMWTE

METLZATIPLANEWA ANDFAL LCR

but to Major Compension, Honor Computing North, 196 Charles Created to Major W. Charles Communication of Computing States (Computer of Computing States (Computer of Computer of Computer

MR. CHIP SOFTWARE VIC 20 GAMES AND UTILITIES MMDDDRE 64 GAMES AND UTILITIES NEXT A SOFT A A partie to get the original parties to deal the stem effects of these and was the proved destroy, account the Westernhause bear a beginn when you can get the deal the side deary. The same to make the first in broad a parties queen specification which are the deal provinces. Why they are presented to the first from the state of the state of

(20% analysis code one markets for the VIV such make both and corpus and the code of the VIV such makes both and corpus analysis analysis and the code of vivine; to both the program such companies of the code of vivine; to both the program such companies the program code of vivine; to be code of vivine and the vivine and vivine

NAME AND ADDRESS OF ADDRESS OF THE PARTY.

the HM BHCTS.
The new starting strend the among help to receive the right year had, so the content rates fair receivers an odd-freely year former moduler.

Send Chegon, TO a to District. I NEVILLE PLACE, LLANDUONO GWYNEOD LL30 JBL. Tel. 0492 49747 WANTED HICH GUALITY SOFTWARE, OF ALL TYPES, FOR DEALER ENQUIRIES WELCOME

OMEGA SOFTWARE FOR DRAGON 32

Attempt to Bankrupt your competitions by skillful High Res graphics, and continue same at a later date.

275 incorporates "save" feature to



Price \$7.00 cuch inc. P&P. Special Offer both for £12.66. Available town selected distributors or by Mail Order.

OMEGA SOFTWARE, BACUP, LANCS OLI3 8LN

Page 42 HONE COMPUTING WEEKLY IS COMPUTED.

PROFIL

Monater Mage was according

tenner quickly From near the PXXII has been

At first, Malcolm was a naview of J. Conventional

Writing for the new generation

A birthday present and a redundancy started Malcolm Evans of New Generation on a new career. Candice Goodwin found out how he lost a job and gained a software company



Write your own muchine code adventure THE QUILL

within along their Henry and any above on my the column

DE THE 485 SPECTRUM AT 414.95

Dealer requires vertoons

TELEPHONE YOUR ORDER

HRISTINE DMPUTING

F104.95

Recorder + dual lend

Software Contridee - Extended Rook (SL 50 Miromemory £51.50 Parsec £17.00 Software Tone - Core! Blast It Soudz, Code Break/3D Maze, U F.O.

All reviews metastres send 50n frefundable on 1st order) for full list, Cheques or PO's to-6 Florance Clove, Watford, Herry WD2 6AS, Tel: 69273 72941

EXAS INSTRUMENT TI 99 |4A Solid State Softw Some of our Crasy Prices: 15225 EXTENDED BASIC

COSTWARE DEVIEWS NO 457 on £18.95 How you can crack the code A sample to one nationally D.A.S.M. resource subvisitation of BANC after readiling pres (In House, warmen Darrit Hater Coale. Two BANC programs on rate CHEST

Prog File name on a 160 Spannyawa and a se very waited for promising shamely reference for the position of a specifical programme or a strategy of the programme or a strategy of the programme or a strategy of the programme of a strategy of the programme of a last, new programme can be added and old once numeroed. A programme one be considered for the last in the world and after

Find that program faster



TO 3) (1241 TO D)

TO (G) PRINT STRRT

ick of searching your tapes f a particular program? Rhys Davies was, so he wrote Prog Elle for his 16K Spectrum

Late 2025, attention until 1 mod PAUSE 300 COT

JOHN TRIBES, LD OIM B (200) . THE STATE ST

THE TYPE MUMBER CHOSEN

188 55 TO STORY OF SECURITY OF

PROCESSING PROCESSING TO 31 FEBRUARY TO 31 FEBRUARY





Inside... New Interface 2 and ROM cartridges! New Software!

SOFTWARE UPDATE The latest cassette software for ZX Computers

For ARK DAM Spectrum, \$9.95



There is tanched you the besic tection - gins

Nusephaster For 48K RAM Spectrum 20.05



Walka-a-C769 For ARK RAM Spectrum, £9,95.

out own prouts Whenvers have designed a cleouit, you can

increase the printing and display facilities of your ZX Spectrum with the Print Unitere

rogram
Print Utilities emobiles you to enhance you

For ARK RAM Spectrum \$9.95. Token the contracted of assemblity Takes the

TAKING NEW SOFTWARE

ZX INTERFACE 2

The New ROM Cartridge/Joystick Interface Loads programs instantly

Takes two joyaticks! Just plug-in and play

peopheral for the ZX Spectrum" system that load instantly it allows you to use priema, suit connect intertage 2 to the

other Spectrum-compatible programs!

SET BAT POMCART ONDER FOR

AND BRAND NEW ROM CARTRIDGE SOFTWARE There's already plenty of choose of ZX ROM cortodos programs for your Spectrum. Some are old (avourties in And now Stanks to RDM certifical technology, you

were originally written only for 45K machines! Every ROM cartridge program loads fast and fault lessly. No wres, no wating, no worries about loading errors! All of them are altordably priced too, at £14 05

You or Charles She























NOW ON RELEASE low to order

The ZX Microdinie System- as you'd sent full distails Order forms are expect from Sinoley - is unique to the world of computing it's a comyou haven't yet received your order pect, expandable add-on system mos of a local area network of unito

making good progress in meeting Warns digit buy your Spectrum order by phone, galling 01-200 0000 chave for delivery

How to get ZX Microdrive Spectrum memors who has not direct Interface Locals 649.95 had used

er forms (C) 5 san

TOTAL S

ZX Microdrive information request Reaso add my name to the Microdive Making List, and send the a colour brochuse with full specifications

'NOW WIN THE POOLS' A LONG TIME AGO - NOW, FOR THE PRINT TIME I'M PREFARED TO SHARE IT SITH BOX First Edvidonds Second Obsidends Third Obsidends Frank Edvidends 1986 Dividends Sigh Stridends A CREATED TOTAL OF A DEL ADDREST TRADESSAME. TWO RECORDED AND ONE DESCRIPTION ... M SAY I do hard liming weeks, but COV ATTERACE are annuage show over EIX COVERNMENT ENERS WINDLE for the part 27 years BLEE-CORPLING, WHI MAN POR A Now the years are now attack fiable, parted, it, about his own in excess only when I come of norther free and it is less than extended the action to the back and another the constraint by FEST EXTENDED who close that — the norther hand to provide the first parted backet and may find and will probably be seen made. If yet parted back the first parted backet and may find a seen action to the probability to seen more by the later dark. My revised in WORLD COPPERATED. Aware is wideled COPPERIORS, my tellingment and attention proceedings will be taken, without your warring it is endy ingressed and fair could be set of use. MY SECRET IS NOW PLACED COMP. screen funding beautic recent to release a ETEACTL's LAMITED LAMITER of recent of my moving broken for lander (SALT or Receive Springer) — 000 MOV 6EAY 8NO TINO YEV ARE TOO LATE, or I metand a long room ups, did it was to prod across deep and diversible; short withing the perfect in 1 hours do careful as both ends, we had a feet care the ages, moreover-the MASSET TERROCKOST THE NOVER_CENTER TO MASSET AND A SECOND STATE DISTRICT, I MASSET THE WAY A WAY, AND A SECOND STATE DISTRICT, I MASSET THE WAY A WAY, AND A SECOND STATE and had been seen as now seen. I am aread to got a loaned number of people the appartury of making out of my mount _ perfect one // open and proving must be EMBAT GOS OF EMBAT VENOTI-LYVE TORAGE. man, an finite and man your extension.

I only well their space small other me in grow you,
place-popule of my presump, often, constitut obsesses,

no, but a victorial mostle amounth in they man

minimal field deschade 1 has a fearering grown FUTT

I THE SAYTHACTE have ORIGINAL LETTERS.

I had form up among Consorts. GRAND TOTAL of SURL you SURL POOLS DESCRIPTION AND ANY PRINT DEVICES DE-I will solve a copy on question, to you, on whose of the completed solds form and your Signature. Taking are the pair of years are considerable, I have used the AARRAGE over 100, (1700)22 are seen to AARRAGE over 100, (1700)22 are seen to AARRAGE over 100, (1700)23 are se forces conference and year September STRUCTOCOCONSTITUTED to the STRUCTOCOCONSTITUTED TO a for print ONLY 1355 00-44. FILEASE NOTE:

If you happen as he the proof owner of a Company,
when there is blocker EDE: or Bischer Spectrees,
you aim not purchase a topy of any revised, for the
mean your and proper of POCESSELF on to
yourse company of the POCESSELF on to I on our appeared include and control (All horsesth.) spins to you you for tradema of (AN OPRIC of 2 min or man TYPEPS ATRICT TRADE, C.S.ONCE, ONTO A TRADE of on a first 20 minute of annuing — otherwise I may not NATE State. Street Rood,

HOME COMPUTING WE Lineage 350 per word Sem display: £6,00 per smale colu ASP LTD. 145 Charing Cross Road, London WC2H 0FF ford your looks ANE for the 64 Aprice Brest Bresse Sooth burgs (IA) 537 until tof were Free dish member Share PC-1906, Taxon PC 2 High quality salvain green DUPLICATIO TORYGO SERVICES Named Software, 13A Solo PROGRAMS MODE MAY REPORT TO THAT COPIES Corregio to Hite a Conguest from 2001 HAVIK RAMS solvant pero. SINUA Creat, NC 19 Element Dates Corresposa Market Market regio Labor 20C 100F4 L B NEEDS

Page 52 DECREE COMPLYING WHEREAY 25 Supported 1995

CHEMISTRY EXAMS! NO PROGREM WITH ALCHE P ORIC-I OWNERS USER GROUPS SOFT OPTION Emperor Units Chical 1 Madino augh (2014) Brider Arice MAN (2014) Reliepies, Batricia Collan ORNWALL SCOTLAND SOFT MACHINE THE PRETINE COMPUTERS Security of State SHEENSOFT van seylika rasmet All Impene Tenry at Ja 75 DOCUMENTER NOWTH AND

FOR BRC, SPECTRUMA

STORE-ON TRUNT

24 Glosenter Road

W. MIDLANDS COMPUTER CITY TO BE INCLUDED IN THIS SECTION RING 01.437 1003

205 CHEWICK HIGH BOAR

CLASSIFIED ADVERTISEMENT — ORDER FORM



Please place my advert at Home Computers Workly for

PRESERVED CLASSIFICATION

400 ion BASIC F115 800 F290 ATARI 48K Lynx £215 COMMODORE 64 £225

Phone Orders Welcome on 0352-56642 Postage & Packaging FREE

LOOKING FOR SPARE EADNINGS? Then why not call coffware to your friends and workmakes

ware who are wary of mall orde nd cannot find a local dealer. Yo can become that local dealer

CBM 64 Spectrum and Lynx 488

Bytewell agent in time for the predicted boom in sales this Xmas

BYTEWELL, 203, COURT ROAD

BARRY, S. CLAMORGAN

Page M HOME COMPUTING WEBALY 27 September 1983

NEW HOME COMPUTER CABINET

SPECIAL OFFER £79.95,



JUST CHECK THESE STANDARD FEATURES



TERMS OF OFFER US Mainfand Caucomor only. Please offers up to 25 days for dolorary. Code with order appropriate two-dold Million had auditative of not introduced england the goods are recorded understand within 12 from

